



# Grain Crushings and Co-Products Production

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## Highlights

**April 2015** contained 30 days.

**March 2016** contained 31 days.

**April 2016** contained 30 days.

**Total corn consumed** for alcohol and other uses was 445 million bushels in April 2016. Total corn consumption was down 8 percent from March 2016 and down 4 percent from April 2015. April 2016 usage included 90.2 percent for alcohol and 9.8 percent for other purposes. Corn for beverage alcohol totaled 2.69 million bushels, down 1 percent from March 2016 and down 18 percent from April 2015. Corn for fuel alcohol, at 392 million bushels, was down 9 percent from March 2016 and down 4 percent from April 2015. Corn consumed in April 2016 for dry milling fuel production and wet milling fuel production was 89.2 percent and 10.8 percent respectively.

**Dry mill co-product production** of distillers dried grains with solubles (DDGS) was 1.70 million tons during April 2016, down 11 percent from March 2016 but up 2 percent from April 2015. Distillers wet grains (DWG) 65 percent or more moisture was 1.26 million tons in April 2016, down 4 percent from March 2016 and down 5 percent from April 2015.

**Wet mill corn gluten feed production** was 306 thousand tons during April 2016, down 11 percent from March 2016 and down 2 percent from April 2015. Wet corn gluten feed 40 to 60 percent moisture was 301 thousand tons in April 2016, up 4 percent from March 2016 but down 4 percent from April 2015.

## Dry and Wet Mill, Corn Consumed – United States: April 2016 with Comparisons

Purpose	April 2015	March 2016	April 2016
	(1,000 bushels)	(1,000 bushels)	(1,000 bushels)
<b>Consumed for alcohol production</b>			
Beverage alcohol .....	3,298	2,712	2,689
Fuel alcohol .....	407,719	430,918	392,404
Dry mill .....	365,028	383,455	350,064
Wet mill .....	42,691	47,463	42,340
Industrial alcohol .....	6,555	6,126	6,173
<b>Consumed for other purposes</b>			
Total wet mill products other than fuel .....	44,908	44,136	43,587

## Dry Mill, Sorghum Consumed – United States: April 2016 with Comparisons

Purpose	April 2015	March 2016	April 2016
	(1,000 cwt)	(1,000 cwt)	(1,000 cwt)
<b>Consumed for alcohol production</b>			
Fuel alcohol .....	(D)	9,979	7,337

(D) Withheld to avoid disclosing data for individual operations.

## Dry and Wet Mill, Co-products and Products Produced – United States: April 2016 with Comparisons

Co-products and products	April 2015	March 2016	April 2016
	(tons)	(tons)	(tons)
<b>Dry mill</b>			
Condensed distillers solubles (CDS - syrup) .....	140,171	137,396	130,324
Corn oil (Corn Distillers Oil - CDO) .....	101,614	125,510	110,439
Distillers dried grains (DDG) .....	411,664	384,739	374,750
Distillers dried grains with solubles (DDGS) .....	1,663,380	1,919,507	1,701,500
Distillers wet grains (DWG) 65% or more moisture .....	1,327,808	1,320,322	1,264,745
Modified distillers wet grains (DWG) 40% to 64% moisture .....	387,155	456,256	426,558
<b>Wet mill</b>			
Corn germ meal .....	61,922	68,140	67,530
Corn gluten feed .....	313,889	342,668	306,464
Corn gluten meal .....	89,356	91,945	84,916
Corn oil .....	42,998	51,415	51,455
Wet corn gluten feed 40% to 60% moisture .....	314,047	290,565	301,283
<b>Dry and wet mill</b>			
Carbon dioxide captured .....	209,505	204,371	199,101

## Statistical Methodology

**Survey Procedures:** *Grain Crushings and Co-Products Production* is part of the Current Agricultural Industrial Reports (CAIR) program. CAIR reports are administered under NASS's Census of Agriculture program. Response to CAIR surveys are required by law (Title 7, U.S. Code). Data are collected from all known mills that produce ethanol.

The census universe was determined during operation profile interviews which were completed for each potential facility to identify the presence of ethanol production in 2014. During the operation profile, facilities that met the survey criteria were asked for the nameplate production capacity. The operation profile also documented the manner in which the firm will report. A firm headquarters can report for all milling locations or each location can report separately.

In the Dry Mill Producers and Wet Mill Producers survey questionnaires, mills are asked for previous calendar month data on feedstocks consumed, products and co-products produced. Mills are mailed questionnaires with the options of completing the survey by mail or by Electronic Data Reporting (EDR). For surveys not received in a reasonable amount of time, telephone follow-up is conducted.

**Estimating Procedures:** Imputation is done for operations with non-response by using historical data and current data relationships. Data for reporting firms are added to estimates for non-reporting firms to obtain National totals.

**Revision Policy:** Data are revised the following month based on late reports or corrected data. Final figures are published in the annual summary of the following year.

**Reliability:** Approximately 130 reports are received each month which represent about 90 percent of total capacity. Monthly data can vary due to different firms reporting month to month. Survey data are also subject to non-sampling errors such as omissions and mistakes in reporting and in processing the data. While these errors cannot be measured directly, they are minimized by carefully reviewing all reported data for consistency and reasonableness.

## Information Contacts

Listed below are the commodity statisticians in the Environmental, Economics, and Demographics Branch of the National Agricultural Statistics Service to contact for additional information. E-mail inquiries may be sent to [nass@nass.usda.gov](mailto:nass@nass.usda.gov).

Troy Joshua, Chief, Environmental, Economics, and Demographics Branch .....	(202) 720-6146
Scott Shimmin, Head, Environmental and Demographics Section.....	(202) 720-0684
Stephanie Brennan – Field Crops Chemical Use .....	(202) 690-0392
Natasha Bruton – Current Agricultural Industrial Reports.....	(202) 720-7644
Ryan Cowen - Farms, Land in Farms, Census of Agriculture.....	(202) 690-3233
Doug Farmer – Vegetable Chemical Use.....	(202) 720-7492
Virginia Harris – Census of Agriculture.....	(502) 582-5293
Megan Lipke – Census of Agriculture .....	(202) 720-5881
Miste Salmon – Current Agricultural Industrial Reports .....	(202) 690-3226
Dominique Sims – Census of Agriculture.....	(202) 690-4752
Theresa Varner – Farm Labor, Chemical Use .....	(202) 690-2284

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